

ADDENDUM No. 1

Date Issued: June 23, 2021

***** The Bid must contain an acknowledgement of receipt of all Addenda, the numbers of which must be filled in on the Bid Form. BID FORM, Section 00410, Page 00410-6. *****

Reminder: Bids will be received at the office of Calaveras County Water District 120 Toma Court San Andreas, California 95249 no later than 2:00 p.m. local time on Tuesday, June 29, 2021. Sealed bids will be opened by the Engineer in Public after the bid closing, an abstract of the bid amounts will be tabulated by the Engineer and posted on District Website.

PART A. BID PACKAGE/PROJECT MANUAL

Appendix B: Tank Design, Replace Entire Appendix B with revised “Appendix B: Concrete Ring Wall Footing Dimensions and Reinforcement” which is attached to this Addendum.

The revised Appendix B provides ring wall footing dimensions, tank diameter, and concrete reinforcement. Footing dimensions at Big Trees Tank 8 have been changed.

Section 00900 Special Conditions, ESC-05: Add, “There will be no charge for construction water. Refer to CCWD Standard Detail W12 (REV) Jumper Pipe Installation included in Appendix D of the Project Manual, this detail is to be used for the potable water supply for Flushing, Testing and Disinfection of new water lines and temporary tanks.

Attached to this addendum is **“County of Calaveras Department of Public Works, Utility Encroachment General Conditions”**. Contractor will be required to comply with the general conditions of Calaveras County Public Works for work within the Public Right of Way which includes Arnold 13 Tank. Contractor will be required to provide performance bond to the County of Calaveras Department of Public Works for estimated value of restoration of Public Right of Way at Arnold 13 Tank Location.

PART B. REQUEST FOR INFORMATION

Bidder Questions:

1. Question #1: On page 00410-4, in the paragraph titled “BID ITEM NO.5 – SITE DEMOLITION”. The last sentence seems to be cut off. Please advise what the contractor is to do “for accounting purposes” regarding redwood tank materials.

District Response to Question #1: The existing tanks removed as part of the Project will become Property of the Contractor. For accounting purposes, the Contractor will need to provide the District the estimated salvage value of the existing redwood materials


removed from the Project. The estimate is not required to be submitted at time of bid but will be required prior to Contract Award.

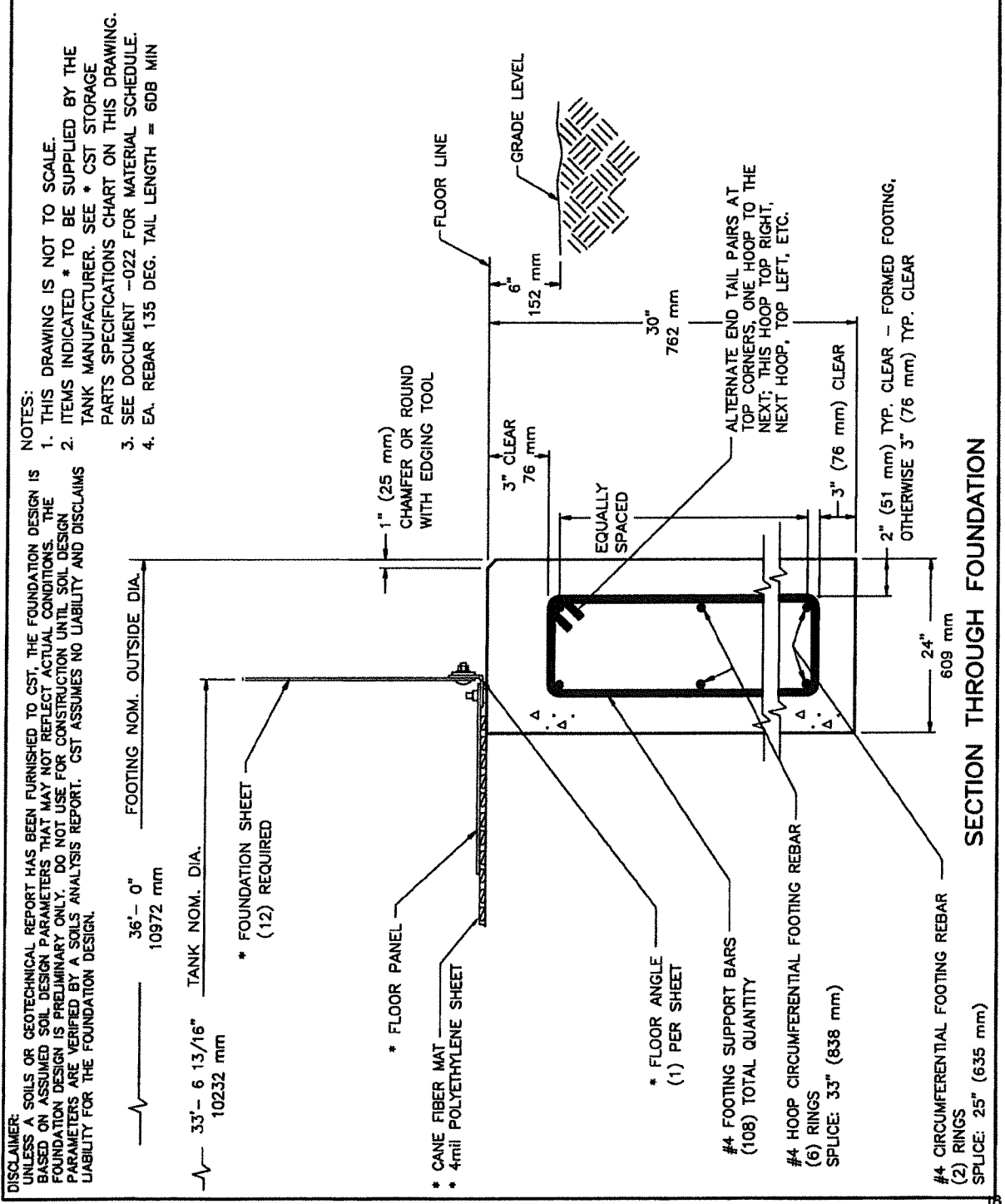
2. Question #2: For all tank sites, please provide the design for the reinforced concrete ringwall footing.

District Response to Question #2: Please see Project Drawings, Drawing Number D2 (Detail D) and attached Appendix B for footing dimensions and reinforcement.


END

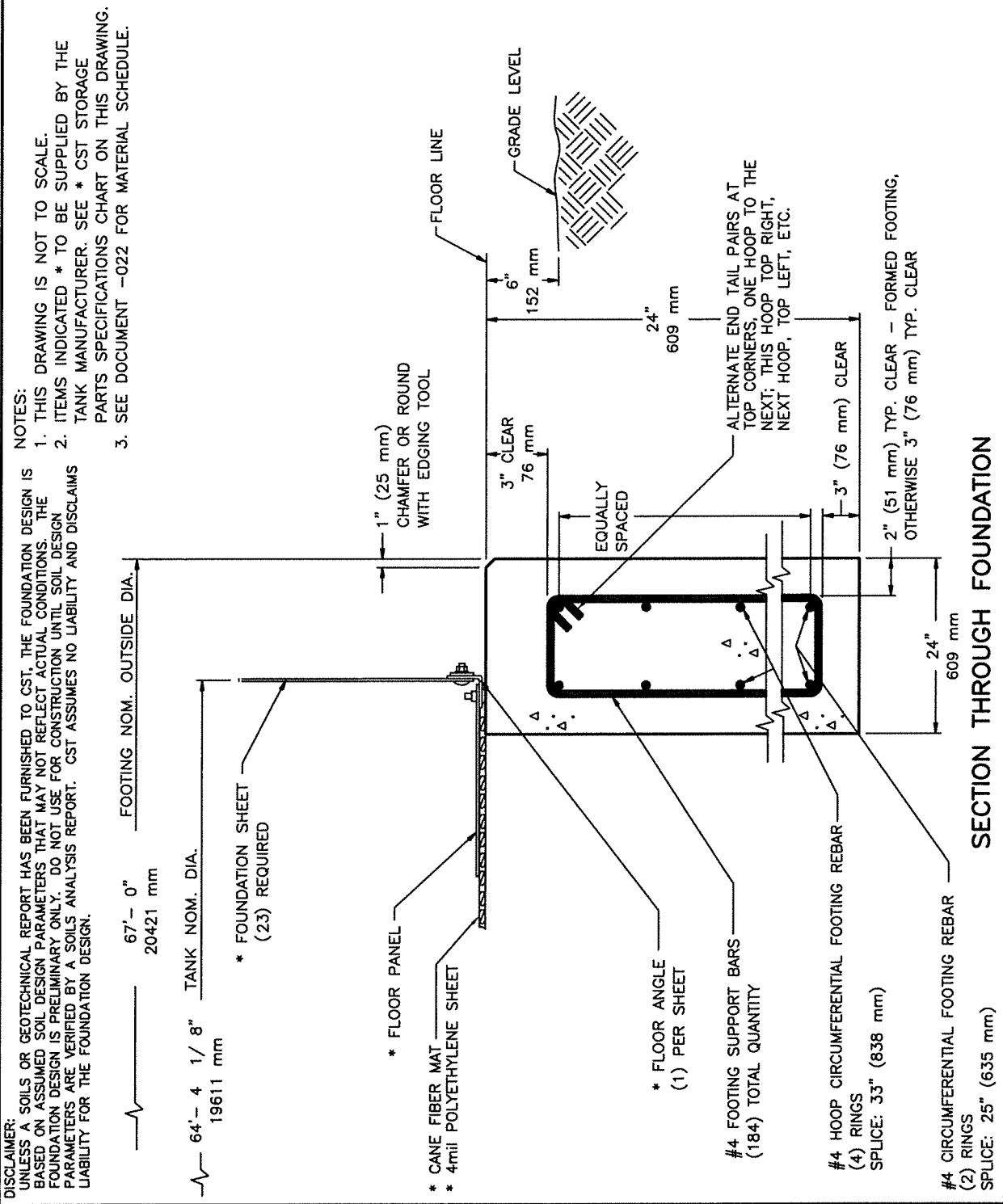
APPENDIX B:
CONCRETE RING WALL FOOTING DIMENSIONS AND
REINFORCEMENT

| | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|----|-------------|--------|----|-------------|
| REL | DESCRIPTION | | | | | | |
| 2 | REL PER MP 2121726 06/09/21 | | | | | | |
| <p>• CST STORAGE PARTS SPECIFICATIONS</p> <table border="1"> <tr> <td>FLOOR</td> <td>IN</td> <td>3 X 3 X 1/4</td> </tr> <tr> <td>ANGLES</td> <td>mm</td> <td>76 X 76 X 6</td> </tr> </table> | | FLOOR | IN | 3 X 3 X 1/4 | ANGLES | mm | 76 X 76 X 6 |
| FLOOR | IN | 3 X 3 X 1/4 | | | | | |
| ANGLES | mm | 76 X 76 X 6 | | | | | |
|  | | | | | | | |
| <p>DEALER: ELIJAH 6018 CONFIDENTIAL THIS DRAWING IS THE PROPRIETARY PROPERTY OF CST STORAGE. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE EXPRESS WRITTEN CONSENT OF THE COMPANY. CST STORAGE COPYRIGHT © 2021 ALL RIGHTS RESERVED</p> | | | | | | | |
| FILE: | 2121726B | | | | | | |
| DRAWN BY: | KN | | | | | | |
| DATE: | 05/11/21 | | | | | | |
| <p>34' STEEL FLOOR FND. CALAVERAS COUNTY, CA BIG TREE TANK 8 CAMP CONNELL, CALIFORNIA</p> | | | | | | | |
| DRWG NO. | 2121726-002 | | | | | | |



Big Trees Tank 8 - Ring Wall Concrete Foundation and Reinforcement

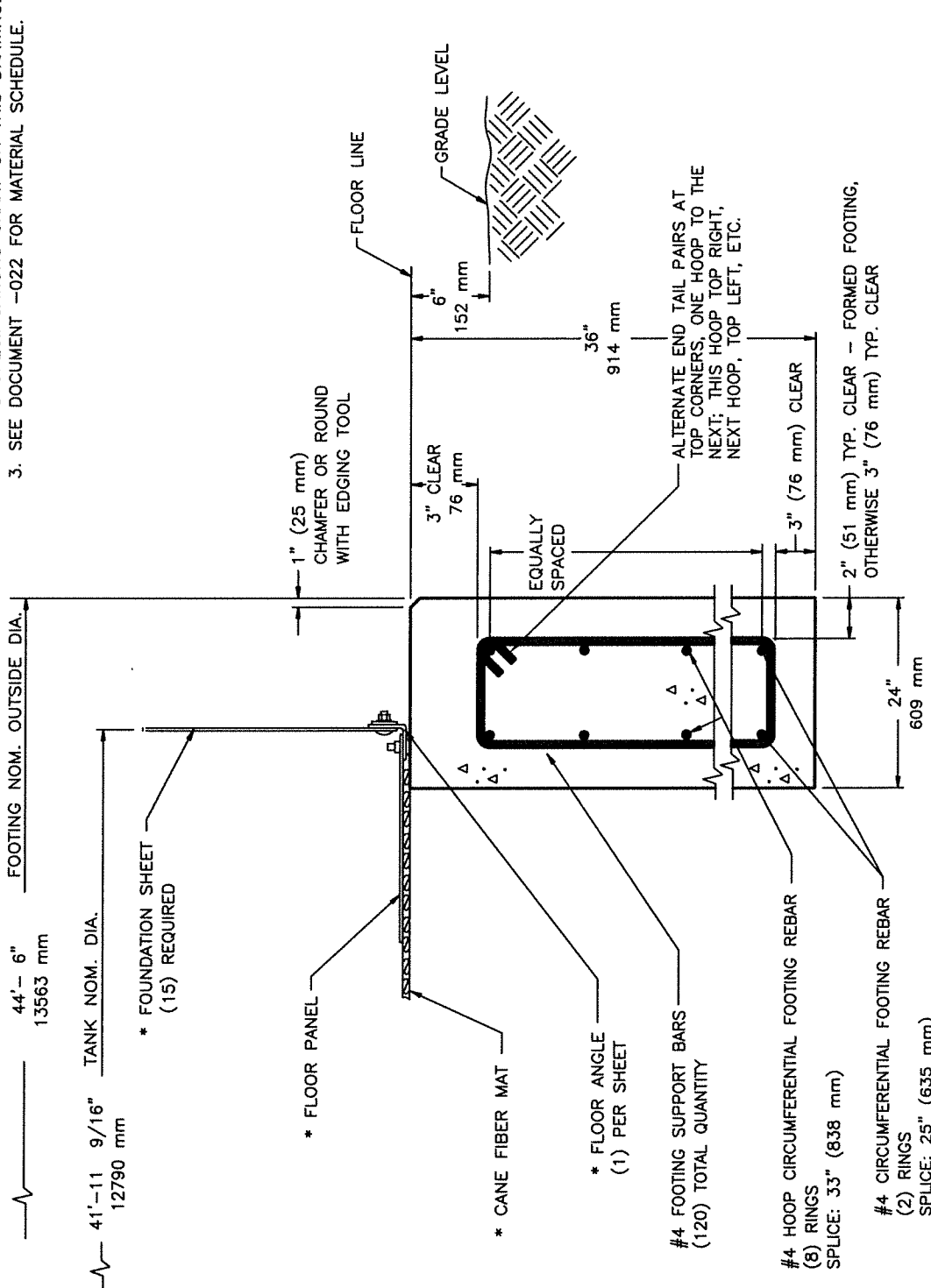
| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| REL | DESCRIPTION |
| 1 | REL PER MIP 2121723 05/11/21 |
| * CST STORAGE PARTS SPECIFICATIONS | |
| FLOOR ANGLES | IN. 3 X 3 X 1/4 mm 76 X 76 X 6 |
|  | |
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| FILE: | 2121723B |
| DRAWN BY: | KN |
| DATE: | 05/11/21 |
| 64' STEEL FLOOR FND. CALAVERAS COUNTY, CA | |
| FOREST MEADOWS/MURPHYS, CALIFORNIA | |
| DRWG NO. | 2121723-002 |




Heather Dr. Tank- Ring Wall Concrete Foundation and Reinforcement

DISCLAIMER:
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NOTES:
1. THIS DRAWING IS NOT TO SCALE.
2. ITEMS INDICATED * TO BE SUPPLIED BY THE TANK MANUFACTURER. SEE * CST STORAGE PARTS SPECIFICATIONS CHART ON THIS DRAWING.
3. SEE DOCUMENT -022 FOR MATERIAL SCHEDULE.

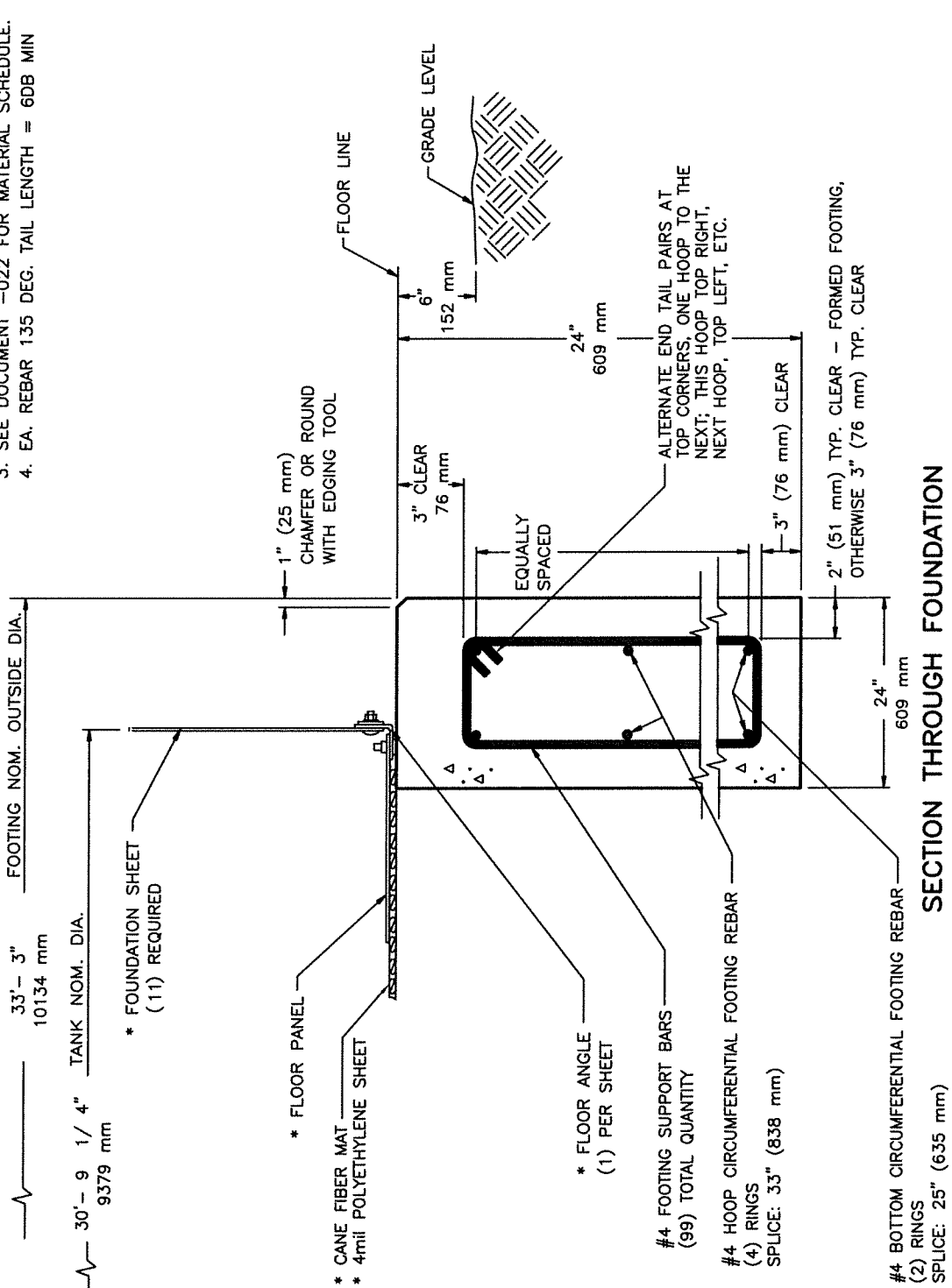


SECTION THROUGH FOUNDATION

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| REL | DESCRIPTION |
| 1 | REL PER MIP 2121727 05/03/21 |
| * CST STORAGE PARTS SPECIFICATIONS | |
| FLOOR ANGLES | IN. 3 X 3 X 1/4 mm 76 X 76 X 6 |
|  | |
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| FILE: | 2121727B |
| DRAWN BY DRT | 05/03/21 |
| DATE | 05/03/21 |
| 42' STEEL FLOOR FND. | |
| CALAVERAS COUNTY, CA FOREST MEADOWS/ MURPHYS, CALIFORNIA | |
| DRWG NO. | 2121727-002 |

Larkspur Dr. Tank- Ring Wall Concrete Foundation and Reinforcement

DISCLAIMER:
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- NOTES:**
- THIS DRAWING IS NOT TO SCALE.
 - ITEMS INDICATED * TO BE SUPPLIED BY THE TANK MANUFACTURER. SEE * CST STORAGE PARTS SPECIFICATIONS CHART ON THIS DRAWING.
 - SEE DOCUMENT -022 FOR MATERIAL SCHEDULE.
 - EA. REBAR 135 DEG. TAIL LENGTH = 6DB MIN

- * FLOOR PANEL
- * CANE FIBER MAT
- * 4mil POLYETHYLENE SHEET
- * FOUNDATION SHEET (11) REQUIRED
- * FLOOR ANGLE (1) PER SHEET
- * #4 FOOTING SUPPORT BARS (99) TOTAL QUANTITY
- * #4 HOOP CIRCUMFERENTIAL FOOTING REBAR (4) RINGS SPLICE: 33" (838 mm)
- * #4 BOTTOM CIRCUMFERENTIAL FOOTING REBAR (2) RINGS SPLICE: 25" (635 mm)

| REL | DESCRIPTION |
|-----|---------------------------------|
| 1 | REL PER MIP 2121724 05/12/21 |

| * CST STORAGE PARTS SPECIFICATIONS | |
|------------------------------------|-----------------------------------|
| FLOOR ANGLES | IN. 3 X 3 X 1/4 mm 76 X 76 X 6 |

DEKALB, ILLINOIS 60115
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| | |
|-----------|----------|
| FILE: | 2121724B |
| DRAWN BY: | KN |
| DATE: | 05/12/21 |

31' STEEL FLOOR FND.
CALAVERAS COUNTY, CA
- ARNOLD
ARNOLD, CALIFORNIA

| | |
|----------|-------------|
| DRWG NO. | 2121724-002 |
|----------|-------------|



COUNTY OF CALAVERAS

DEPARTMENT OF PUBLIC WORKS

Utility Encroachment General Conditions

Acceptance of Provisions: It is expressly understood and agreed by the Permittee¹ that the work performed under this Encroachment Permit constitutes an acceptance of all the applicable provisions of the *County of Calaveras Department of Public Works General Permit Conditions and Specifications for Trench Cuts and Street Resurfacing dated 10/16/2019 (Policy)*.

Encroachment Permit: Other than emergency repairs, there shall be no work performed in the public Right-of-Way until a Utility Encroachment Permit (Encroachment Permit or Blanket Permit) is issued. A copy of the Permit, a set of approved plans, and permits required by any other legally constituted authority shall be on site at all times construction is in progress. Encroachment Permits may be revoked at the discretion of the Director of Public Works.

Permittee Acknowledgment: By acceptance of this Permit, the Permittee agrees that whenever future construction, reconstruction, or maintenance work upon the road may require removal or relocation, installations or encroachment must be removed from the Right-of-Way in accordance with Municipal Code Section 12.08.320.

Prior Notice of Work Start: Permittee shall notify Public Works at 209-754-6402 a minimum of two full working days, excluding weekends and holidays, prior to starting a project and prior to each subsequent phase of construction. Before work is started, the Permittee shall furnish names and telephone numbers of persons on-call if the County requires emergency work at the jobsite. In addition, the Permittee shall notify Dig Alert/USA at 800-227-2600 a minimum of 48 hours (two working days) prior to any excavation. In emergencies, immediately contact the County Public Works Department at 209-754-6402.

Standards and Specifications: All work within the public Right-of-Way shall be performed in accordance with the current applicable County of Calaveras and State of California standards, and Caltrans Standard Specifications.

Inspection: All construction performed in relation to an Encroachment Permit shall be inspected by the County prior to and during installation except as otherwise determined by the Director of Public Works.

Performance Period: Within two years from the time the County approves and accepts the Permittee's completed work or from the time the County accepts and closes out the encroachment permit, the County and/or Permittee shall inspect the work to ensure the pavement has not failed². If the trench fails within this period, the Permittee will be required to make the necessary repairs as directed by the Director of Public Works.

Trench Failure and Repair: If the trench fails after the two-year Performance Period, and the Permittee did not follow the requirements outlined in the Policy, the Permittee will be required to

¹ Permittee shall mean the Utility Encroachment Permit applicant and/or the owner of the facilities, or any and all successors in interest to the facilities, for which the permit was issued under the provisions of this Policy.

² Settlement of 3/8 inch or greater with a 6 foot straight edge will be cause for repair in the case of settlement, or replacement in the case of unsatisfactory workmanship. Trench settlement that results in water ponding or other drainage issues may also be considered inadequate despite meeting the aforementioned requirements.



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make the necessary repairs as directed by the Director of Public Works. If the Permittee has submitted all compaction testing documentation, and if the failure is attributable to the excavation, repaving the excavation, or resulting from a failure of the utility service, the Permittee shall coordinate the proposed trench repair method and schedule with the Director of Public Works.

Traffic and Access: No road shall be closed without authorization from the Director of Public Works. An authorized road closure will allow the detour of *through* traffic only.

Traffic Control: Traffic control shall conform to the current California Manual of Uniform Traffic Control Devices (MUTCD).

Working Hours: Except for emergency repairs, no work shall be performed within County road Right-of-Way on weekends, County holidays, before 7 AM or after 6 PM unless authorized by the Director of Public Works.

Surplus Materials: There shall be no equipment or materials stored or stockpiled in road Right-of-Way except as approved by the Director of Public Works.

Clean up and Dust Control: Throughout all phases of construction, including suspension of work, the Permittee shall regularly clean and sweep to keep the work site clean and free from rubbish and debris.

County Facilities: Prior to construction, the Permittee may be asked to assess the condition of County facilities within project limits. Any damages to County facilities during construction shall immediately be brought to the attention of the County. If the County identifies any deficiencies as a result of Permittee activity, the condition assessment documentation shall provide a record of prior condition. Failure to provide condition assessment data could result in Permittee liability.

Pavement Removal: As much as possible, underground work shall be confined to the shoulder area outside of the traveled way. Trenching within the wheel path shall be prohibited unless no other options or alternatives exist. Paving shall be cut for removal and excavated in a manner that does not disturb the adjacent pavement. It is the permittee's responsibility to secure a disposal site and permission to use that site. For off-site disposal greater than 50 cubic yards, a grading permit is required.

Depth of Installation: Underground installations of wet utilities shall have a minimum cover below finished grade of 36 inches in accordance with Ordinance 2295 and as indicated by the attached drawings and applicable County standards.

Separation of Utilities: Adequate separation shall be maintained between new or replaced underground main lines from existing sewer lines, water lines and drainage culverts. The alignment of new main installations or replacement of existing mains shall be shown in the permit application. Unless specifically authorized by the Director of Public Works:

- The minimum separation for new or replaced main lines running parallel shall be 3 feet from outside of pipe to outside of pipe.
- The minimum separation for new or replaced main line crossings shall be 1 foot clear from outside of pipe to outside of pipe.



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County requirements do not supersede State requirements.

Open Trench: The maximum length of open trench (excavation or backfill not resurfaced) allowed during construction within the paved surface or shoulder shall be the distance of construction that can be reasonably installed in a single day. Contractor's personnel shall protect the traveling public from any open trenches at all times. Where pavement has been removed, a minimum of 2 inches of temporary paving or sufficient temporary paving to match the grade of the travel way (as applicable) shall be placed before that area is made available to traffic.

Backfill Material: Material for backfill, with the exception of pipe bedding, shall be:

- Class II Aggregate Base (AB) for trenches within the roadway and up to 3-feet beyond the edge of pavement, or equal as approved by the Director of Public Works; or
- Native material for trenches outside of roadway and greater than 3-feet beyond the edge of pavement. Select native material shall be free from organic matter, debris, and rock larger than 4 inches, and shall generally conform to the following gradation:

| Sieve Size | % Passing |
|------------|-----------|
| 4" | 100 |
| 3" | 95-100 |
| #4 | 50-100 |
| #200 | 0-50 |

- Or two-sack slurry or greater.

Asphalt Concrete (AC): AC mix formula shall be prepared by an approved certified independent laboratory under the supervision of a certified asphalt technician. Finish coarse shall be 1/2- inch Type A, PG 64- 16 conforming to Caltrans State Standard Specifications, Sections 39 and 92. AC shall not be applied to ground temperatures lower than 50°F/10°C.

Relative Compaction (RC): AC shall be placed in layers not to exceed 0.20 feet and compacted to a minimum of 95% RC³. Aggregates placed beneath paved surfaces and within 3 feet of the edge of pavement shall be compacted to achieve a minimum 95% RC⁴. Soils placed beyond 3 feet of the edge of pavement shall be compacted to achieve a minimum of 90% RC⁴.

Compaction Testing Frequency and Location: Trench backfill testing shall be at random 100-foot maximum intervals. After three (3) successful tests the intervals may be increased by 50 feet increments per successive successful tests up to a maximum interval of 250 feet. One test shall be performed for each 4 feet of depth or fraction thereof starting at the top of the installation. Twenty percent (20%) of laterals and one hundred (100%) of manholes shall be tested independently of the main line. Failure of a compaction test will result in the entire area represented by that test being uniformly reworked and retested at a random location. Additionally, a failed test, at the discretion of the County, may result in more frequent compaction testing to a minimum of 100-foot intervals. The use of two-sack slurry in lieu of compacted materials shall be exempt from compaction testing requirements.

³ 95% RC of Caltrans Test Method CTM-308 or 92% RC of Caltrans Test Method CTM-309 (or equivalent).

⁴ RC of ASTM D1557 or Caltrans Test Methods CTM 216 and CTM 231 (or equivalent).



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Test Reports: Tests shall be certified by a registered California Civil or Geotechnical engineer or testing laboratory in accordance with the State of California test requirements. The test report shall include an accurate description of the test location. **Compaction reports shall be submitted to the County’s inspector and approved prior to permanent paving.**

Trench Pavement Repair: Trench edges shall be sawcut or cold planed with straight lines to a minimum depth of 2 inches and to a minimum of 1 foot beyond the edge of trench. The repaired section shall be patched with hot-mix asphalt of equal thickness to existing asphalt but not less than 2 inches thick, flush with the existing paving. A tack coat of emulsified asphalt shall be applied to all edges/surface of old pavement prior to placement of new asphalt concrete surface material.

Overlay Paving or Resurfacing: When a trench is 300 feet or longer, or when removing six or more separate areas of pavement equal to 15% of the total area of a lane (excluding work done within the paved shoulder) within a continuous 300-foot length of street, pavement restoration shall be required in accordance with Table 1.

Table 1 – Pavement Restoration Options

| Street Category | Options |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Option 1 - Trenching prohibited. Directional boring or jacking may be permitted. Option 2 - Grind and replace length of trench with 2” overlay over half road width. Option 3 - 1 ½” overlay over entire road surface for length of trench with shoulder backing as appropriate. Option 4 - (Qualified Projects) - CIP Project, eligible for in-lieu cash contribution. |
| B | Option 1 - Grind and replace length of trench with 2” overlay over half road width. Option 2 - Type II or Type III Microsurface across entire road width for length of trench. Option 3 - Other approved resurfacing method to conform to current road conditions. Option 4 - Directional boring or jacking may be permitted. Option 5 - (Qualified Projects) - CIP Project, eligible for in-lieu cash contribution. |
| C | Option 1 - Trench pavement repair (per Section 8.2) and crack seal trench. No additional pavement restoration required. |

STREET CATEGORIES

- A**-Street newly constructed or repaved within 3 years of trench cut application date or PCI of 80 or greater.
- B**-Street in good or fair condition, not constructed or repaved within 3 years, and PCI of less than 80 or greater than 45.
- C**-Street in poor condition, PCI 45 or less.

Liability for Damages, Bonding, and Insurance: The Permittee is responsible for all liability for personal injury or property damage which may arise out of the permitted work, or which may arise out of failure on the Permittee’s part to perform the requirements of this Permit.

Exceptions: Exceptions to the Policy are as follows:

- Emergencies that endanger life or property.
- Interruption of an Essential Utility service.
- Service for buildings where no other reasonable means of providing service exists.
- Boring is not feasible due to technical engineering reasons.

If an exception is granted by the Director of Public Works, trenching and restoration efforts shall continue to be governed by the Policy. All reasonable efforts must be made by the Permittee to restore the road to its original condition.